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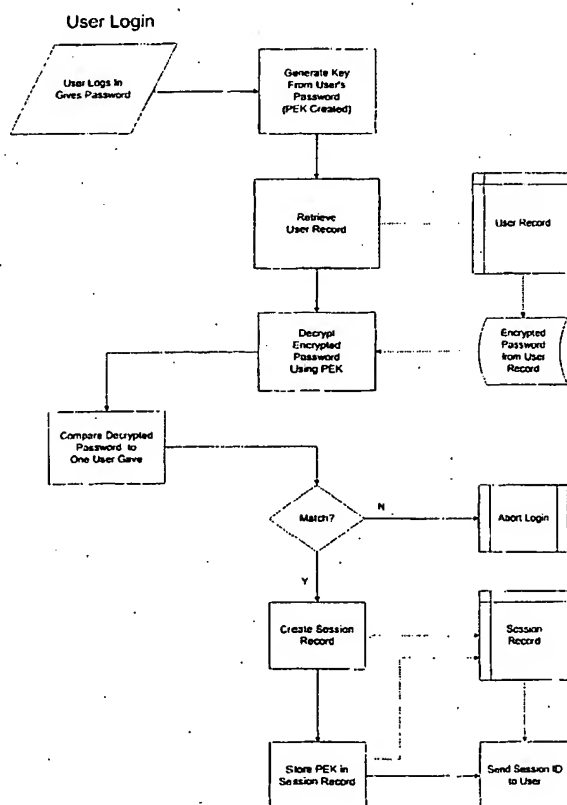
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[Continued on next page]

(54) Title: PASSWORD ENCRYPTION KEY



(57) Abstract: A password-encrypted key (PEK) is generated from a user-supplied password or other identifying data and then used to encrypt the user's password. The encrypted password is stored in a user record on a server. At login a would-be user's password is again used to make a key, which is then used to decrypt and compare the stored encrypted password with the would-be user's password to complete the login. The successful PEK is stored in a temporary session record and can be used to decrypt other sensitive user information previously encrypted and stored in the user record as well as to encrypt new information for storage in the user record. A public/private key system can also be used to maintain limited access for the host to certain information in the user record.

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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 713/155, 184, 202; 380/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 713/155, 184, 202; 380/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,398,285 A (BORGELT et al.) 14 March 1995, all	1-10
X, E	US 6,178,468 B1 (CHALLENGER et al) 06 April 2004, all	1-10
A	US 5,611,048 A (JACOBS et al) 11 March 1997, all	1-10
A	US 6,370,649 B1 (ANGELO et al) 09 April 2002, all	1-10
A	US 6,064,736 A (DAVIS et al) 16 May 2000, all	1-10
A	US 5,623,637 A (JONES et al) 22 April 1997, all	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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